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REVIEW—ZUR MOOSFLORA DES LENA-TALES. ARNELL

JOHN M. HOLZINGER

Zur Moosflora des Lena-Tales (Contribution to the Moss flora of the Lena Valley), by H. Wilhelm Arnell. With 3 plates. Published in *Arkiv foer Botanik*, Band 13, No. 2. (Communicated April 9, 1913.)

Whether the "communication" stands for the date of publication is not certain to the writer of this review: the date of publication of this number of the *Arkiv* is Sept. 8, 1913. This is a report by Professor Arnell on the Hepatics and Mosses collected in 1898 in the valley of the Lena River in central Siberia which in its lower course flows for several hundred miles within the Arctic Circle. The paper is written in German; the descriptions of new species, in Latin. Herr Apotheker C. Jensen determined the Sphagna and made the drawings for the three plates.

For convenience in cross-reference to the author's previous work, *Musci Asiae borealis*, the same system and nomenclature is used, namely S. O. Lindberg's, but the author expressly disclaims agreement with Lindberg. In the foreword the moss literature of arctic America is briefly reviewed as far as it has accumulated up to date. The topography of the valley, as described by writers on this subject, appears to be closely paralleled by the upper Mississippi valley from St. Paul to central Iowa; each valley is a "deep furrow" into the general level of the country, cut thro strata of sand and limestone and shale.

The eighteen collecting stations enumerated range from 50° to 72° north latitude. The most intensive collecting was done within the Arctic Circle. In all, the author reports 61 *Hepaticae*, 14 *Sphagna*, and 241 *Musci*, a total of 316 species. The new species here described are: *Radula proligera*, *Aplozia cordifolia* var. *sibirica* A. & J., *Sphagnum contortum sibiricum* Jens., *Bryum Ehlei*, *B. obtusidens*, *B. purpurascens leucocarpum*, *Tortula mucronifolia emucronata*, *Mollia tortuosa arctica*, *Pleurozygodon sibiricum*, *Grimmia Ehlei*, *Amblystegium uncinatum chryseum*, *A. Ehlei*, *Hypnum plumosum revolutum*, *Helicodontium rotundifolium*, and *Stereodon revolutus plumosus*. In addition, there are enumerated 42 other species new to Siberia, in this collection.

The species figured in the plates are: *Radula proligera* Arn., *Martinella Simonsii* (Bryhn et Kaalaas), *Plagiochila arctica* Bryhn et Kaalaas, *Dicranum elongatum Sphagni* (Wg.) Th. Jensen, *Pleurozygodon sibiricum* Arn., *Grimmia Ehlei* Arn., *Amblystegium Ehlei* Arn., and *Helicodontium rotundifolium* Arn.

This brochure, of 94 pages, closes with an alphabetic index of genera and an enumeration of 33 references.

ANNUAL REPORTS OF THE SULLIVANT MOSS SOCIETY FOR 1913

Report of the President

As in previous years the President is able to report progress and a continued interest in the work of the Sullivant Moss Society on the part of its mem-